



## Innovation, Energy and Mines

Petroleum Branch

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## WEEKLY WELL ACTIVITY REPORT

### PETROLEUM INDUSTRY ACTIVITY REPORT

(January 1/12 – December 27/12)

#### DRILLING ACTIVITY

|                                        | To Dec. 27/12 | To Dec. 28/11 | 2011 Total |
|----------------------------------------|---------------|---------------|------------|
| Drilling Licences Issued               | 720           | 672           | 672        |
| Licences Cancelled                     | 27            | 55            | 55         |
| Vertical Wells Drilled                 | 41            | 42            | 42         |
| Horizontal Wells Drilled               | 570           | 536           | 536        |
| Stratigraphic Test Holes Drilled       | 3             | 0             | 0          |
| Wells Drilled - Total                  | 614           | 578           | 578        |
| No. of Metres Drilled                  | 1 156 857     | 1 068 753     | 1 068 753  |
| Wells Re-entered                       | 0             | 7             | 7          |
| Wells Being Drilled                    | 1             | 0             | 0          |
| No. of Active Rigs                     | 1             | 0             | 0          |
| Wells Licenced but Not Spudded         | 250           | 144           | 144        |
| Wells Completed as Potential Oil Wells | 591           | 559           | 559        |
| Wells Abandoned Dry                    | 17            | 13            | 14         |
| Wells Drilled but Not Completed        | 1             | 0             | 0          |
| Other Completions                      | 4             | 7             | 7          |
| New Wells on Production                | 390           | 247           | 520        |

#### GEOPHYSICAL ACTIVITY

|                               |       |      |       |
|-------------------------------|-------|------|-------|
| Geophysical Programs Licenced | 16    | 16   | 19    |
| Licences Cancelled            | 1     | 0    | 0     |
| Kilometers Licenced           | 3 759 | 2496 | 4 815 |
| Kilometers Run                | 1 058 | 1383 | 1 422 |

2012

2011

#### OIL PRICES (Average)

\$/m3 (\$/bbl)

\$/m3 (\$/bbl)

Month of Oct

569.36 (90.48)

558.90 (88.81)

Month of Nov

532.76 (84.66)

616.95 (98.04)

#### OIL PRODUCTION (M3)

2012

2011

Month of January

249 026.8

202 472.2

Cumulative Thru January 31

249 026.8

202 472.2

**WEEKLY WELL ACTIVITY REPORT****27 December 2012**

|                |                                                                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lic. No.: 8702 | Red Beds Pierson HZNTL 6-13-2-29 (WPM)<br>UWI: 100.06-13-002-29W1.00<br><br>Status: Capable Of Oil Production (COOP)<br>Capable Of Oil Production: 20-Nov-2012<br>Field/Pool Code: 7 29B             |
| Lic. No.: 8711 | Tundra East Manson Prov. HZNTL 13-11-13-28 (WPM)<br>UWI: 100.13-11-013-28W1.00<br><br>Status: Capable Of Oil Production (COOP)<br>Capable Of Oil Production: 31-Aug-2012<br>Field/Pool Code: 17 62B  |
| Lic. No.: 8712 | Tundra East Manson Prov. HZNTL 15-4-13-28 (WPM)<br>UWI: 100.15-04-013-28W1.00<br><br>Status: Capable Of Oil Production (COOP)<br>Capable Of Oil Production: 09-Sep-2012<br>Field/Pool Code: 17 62B   |
| Lic. No.: 8727 | Tundra Daly Sinclair Prov. HZNTL A9-34-8-28 (WPM)<br>UWI: 102.09-34-008-28W1.00<br><br>Status: Capable Of Oil Production (COOP)<br>Capable Of Oil Production: 21-Aug-2012<br>Field/Pool Code: 1 59DD |
| Lic. No.: 8755 | Sinclair Unit No. 8 HZNTL A5-33-7-29 (WPM)<br>UWI: 103.05-33-007-29W1.00<br><br>Status: Capable Of Oil Production (COOP)<br>Capable Of Oil Production: 12-Sep-2012<br>Field/Pool Code: 1 62B         |
| Lic. No.: 8760 | Tundra Daly Sinclair HZNTL 1-2-9-29 (WPM)<br>UWI: 100.01-02-009-29W1.02<br><br>Status: Capable Of Oil Production (COOP)<br>Capable Of Oil Production: 10-Aug-2012<br>Field/Pool Code: 1 59Z          |

Lic. No.: 8763      Tundra Daly Sinclair HZNTL 2-3-9-28 (WPM)  
UWI: 100.02-03-009-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 07-Sep-2012  
Field/Pool Code: 1 62B

Lic. No.: 8768      South Pierson Unit No. 2 HZNTL 13-19-2-29 (WPM)  
UWI: 102.13-19-002-29W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 22-Sep-2012  
Field/Pool Code: 7 35A

Lic. No.: 8769      South Pierson Unit No. 2 HZNTL A13-19-2-29 (WPM)  
UWI: 103.13-19-002-29W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 22-Sep-2012  
Field/Pool Code: 7 35A

Lic. No.: 8772      EOG Waskada HZNTL A5-6-1-24 (WPM)  
UWI: 102.05-06-001-24W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 14-Oct-2012  
Field/Pool Code: 3 29I

Lic. No.: 8773      EOG Waskada HZNTL B5-6-1-24 (WPM)  
UWI: 103.05-06-001-24W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 15-Oct-2012  
Field/Pool Code: 3 29I

Lic. No.: 8787      Tundra East Manson HZNTL 10-8-13-28 (WPM)  
UWI: 100.10-08-013-28W1.00  
  
Status: Completing (COMP)  
Completing: 19-Dec-2012

Lic. No.: 8790      Tundra Daly Sinclair Prov. HZNTL 12-22-8-29 (WPM)  
UWI: 102.12-22-008-29W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 30-Aug-2012  
Field/Pool Code: 1 Confidential Pool Code

Lic. No.: 8793      Red Beds Pierson HZNTL 3-19-2-28 (WPM)  
UWI: 100.03-19-002-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 08-Dec-2012  
Field/Pool Code: 7 29B

Lic. No.: 8794      Red Beds Pierson HZNTL A3-19-2-28 (WPM)  
UWI: 102.03-19-002-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 09-Nov-2012  
Field/Pool Code: 7 29B

Lic. No.: 8796      Red Beds Pierson HZNTL A6-19-2-28 (WPM)  
UWI: 102.06-19-002-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 12-Nov-2012  
Field/Pool Code: 7 29B

Lic. No.: 8797      Red Beds Pierson HZNTL B6-19-2-28 (WPM)  
UWI: 103.06-19-002-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 08-Dec-2012  
Field/Pool Code: 7 29B

Lic. No.: 8803      Tundra East Manson HZNTL 4-2-13-28 (WPM)  
UWI: 100.04-02-013-28W1.02  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 06-Sep-2012  
Field/Pool Code: 17 62B

Lic. No.: 8822      Tundra Daly Sinclair HZNTL 4-25-8-29 (WPM)  
UWI: 102.04-25-008-29W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 28-Aug-2012  
Field/Pool Code: 1 59LL

Lic. No.: 8824      CPEC Elkhorn HZNTL 4-18-11-28 (WPM)  
UWI: 100.04-18-011-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 12-Oct-2012  
Field/Pool Code: 1 62CC

Lic. No.: 8840      EOG Pierson HZNTL 8-10-2-28 (WPM)  
UWI: 100.08-10-002-28W1.00  
  
Status: Capable Of Oil Production (COOP)  
Capable Of Oil Production: 29-Oct-2012  
Field/Pool Code: 7 29B

Lic. No.: 8852      Tundra Daly Sinclair Prov. HZNTL 12-4-10-29 (WPM)  
 UWI: 100.12-04-010-29W1.00

Status: Capable Of Oil Production (COOP)  
 Capable Of Oil Production: 08-Sep-2012  
 Field/Pool Code: 1 59D

Lic. No.: 8871      Waskada LAm Unit No. 1 HZNTL 3-25-1-26 (WPM)  
 UWI: 103.03-25-001-26W1.00

Spud Date: 18-Dec-2012  
 K.B. Elevation: 472.57 m  
 Surface Casing: 219.10 mm @ 166.00 m with 12.0 t  
 Status: Shut Down For Christmas (SDFC)  
 Shut Down For Christmas: 19-Dec-2012

Lic. No.: 8877      CPEC South Kirkella HZNTL 1-14-11-29 (WPM)  
 UWI: 100.01-14-011-29W1.00

Status: Capable Of Oil Production (COOP)  
 Capable Of Oil Production: 13-Oct-2012  
 Field/Pool Code: 1 62CC

Lic. No.: 8880      EOG Waskada HZNTL B3-5-1-24 (WPM)  
 UWI: 104.03-05-001-24W1.00

Status: Capable Of Oil Production (COOP)  
 Capable Of Oil Production: 13-Oct-2012  
 Field/Pool Code: 3 29I

Lic. No.: 8886      Waskada Unit No. 3 HZNTL A16-31-1-25 (WPM)  
 UWI: 103.16-31-001-25W1.00

Revision to Report of: 07-Aug-2012  
 Contractor: Trinidad Drilling Ltd. – Rig# 4

Spud Date: 17-Dec-2012  
 K.B. Elevation: 475.39 m  
 Surface Casing: 219.00 mm @ 172.00 m with 12.0 t  
 Status: Shut Down For Christmas (SDFC)  
 Shut Down For Christmas: 18-Dec-2012

Lic. No.: 8889      Red Beds Pierson Prov. HZNTL 14-20-2-28 (WPM)  
 UWI: 102.14-20-002-28W1.00

Status: Capable Of Oil Production (COOP)  
 Capable Of Oil Production: 23-Sep-2012  
 Field/Pool Code: 7 42F

Lic. No.: 8943      Fort Calgary Manson HZNTL 5-1-14-29 (WPM)  
 UWI: 100.05-01-014-29W1.00

Spud Date: 22-Dec-2012  
 K.B. Elevation: 493.87 m  
 Surface Casing: 244.50 mm @ 135.00 m with 11.0 t

Status: Shut Down For Christmas (SDFC)  
 Shut Down For Christmas: 22-Dec-2012

Lic. No.: 9035

Penn West Waskada HZNTL B10-26-1-26 (WPM)  
 UWI: 104.10-26-001-26W1.00

Intermediate Casing: 139.70 mm @ 1692.00 m with 46.30 t  
 Finished Drilling: 19-Dec-2012  
 Total Depth: 1692.00 m  
 Rig Released: 20-Dec-2012  
 Status: Waiting On Service Rig (WOSR)  
 Waiting On Service Rig: 20-Dec-2012

Lic. No.: 9040

Tundra Virden HZNTL 1-19-11-26 (WPM)  
 UWI: 102.01-19-011-26W1.00

Status: Completing (COMP)  
 Completing: 19-Dec-2012

Lic. No.: 9104

Penn West Waskada HZNTL B9-33-1-25 (WPM)  
 UWI: 103.09-33-001-25W1.00

Intermediate Casing: 139.70 mm @ 1656.00 m with 40.8 t  
 Finished Drilling: 18-Dec-2012  
 Total Depth: 1658.00 m  
 Rig Released: 19-Dec-2012  
 Status: Waiting On Service Rig (WOSR)  
 Waiting On Service Rig: 19-Dec-2012

Lic. No.: 9106

EverGro Two Creeks 16-19-12-26 (WPM)  
 UWI: 100.16-19-012-26W1.00

Status: Completing (COMP)  
 Completing: 21-Dec-2012

Lic. No.: 9129

Penn West Waskada HZNTL A1-20-1-25 (WPM)  
 UWI: 103.01-20-001-25W1.00

Status: Shut Down For Christmas (SDFC)  
 Shut Down For Christmas: 18-Dec-2012

Lic. No.: 9146

Fort Calgary East Manson Prov. HZNTL A1-28-13-28 (WPM)  
 UWI: 102.01-28-013-28W1.00

Revision to Report of: 10-Dec-2012  
 Contractor: Terroco Drilling Ltd. – Rig# 9

Intermediate Casing: 177.80 mm @ 790.00 m with 16.0 t  
 Finished Drilling: 18-Dec-2012  
 Total Depth: 2388.00 m  
 Rig Released: 19-Dec-2012  
 Status: Waiting On Service Rig (WOSR)  
 Waiting On Service Rig: 19-Dec-2012

Lic. No.: 9147

Elcano North Hargrave Prov. 10-34-12-27 (WPM)  
 UWI: 100.10-34-012-27W1.00

Revisions to Report of: 10-Dec-2012  
 Co-ords: 670.00m (S) of (N) boundary of Sec. 34  
 535.00m (W) of (E) boundary of Sec. 34  
 Grd Elev: 475.38 m

Spud Date: 15-Dec-2012  
 K.B. Elevation: 480.42 m  
 Surface Casing: 219.10 mm @ 147.00 m with 10.0 l  
 Finished Drilling: 17-Dec-2012  
 Total Depth: 666.00 m  
 Status: Waiting On Orders (WOO)  
 Waiting On Orders: 24-Dec-2012

Lic. No.: 9169

Tundra Daly Sinclair Prov. HZNTL C12-29-8-28 (WPM)  
 UWI: 102.12-28-008-28W1.00  
 UWI: 104.12-29-008-28W1.02

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 9  
 Surface Location: 12C-28-08-28  
 Co-ords: 467.27m (S) of (N) boundary of Sec. 28  
 72.41m (E) of (W) boundary of Sec. 28  
 Grd Elev: 495.23 m  
 Proj. TD: 2328.4 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9170

Corval Daly Sinclair HZNTL 4-23-8-28 (WPM)  
 UWI: 100.04-23-008-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Corval Energy Ltd  
 Mineral Rights: Corval Energy Ltd  
 Contractor: To Be Determined - Rig# 0  
 Surface Location: 04B-24-08-28  
 Co-ords: 60.00m (N) of (S) boundary of Sec. 24  
 141.70m (E) of (W) boundary of Sec. 24  
 Grd Elev: 474.72 m  
 Proj. TD: 2455.3 m (Devonian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)



Lic. No.: 9171

Corval Daly Sinclair HZNTL A4-23-8-28 (WPM)  
 UWI: 102.04-23-008-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Corval Energy Ltd  
 Mineral Rights: Corval Energy Ltd  
 Contractor: To Be Determined - Rig# 0  
 Surface Location: 04B-24-08-28  
 Co-ords: 60.00m (N) of (S) boundary of Sec. 24  
           114.70m (E) of (W) boundary of Sec. 24  
 Grd Elev: 475.86 m  
 Proj. TD: 2327.14 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9172

Tundra Daly Sinclair HZNTL 5-27-9-28 (WPM)  
 UWI: 100.05-27-009-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 12  
 Surface Location: 05C-26-09-28  
 Co-ords: 677.00m (N) of (S) boundary of Sec. 26  
           60.00m (E) of (W) boundary of Sec. 26  
 Grd Elev: 493.44 m  
 Proj. TD: 2353.7 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9173

Red River Daly Sinclair HZNTL A3-15-7-29 (WPM)  
 UWI: 102.03-15-007-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Red River Oil Inc  
 Mineral Rights: Red River Oil Inc  
 Contractor: CanElson Drilling Inc. - Rig# 22  
 Surface Location: 05B-14-07-29  
 Co-ords: 505.00m (N) of (S) boundary of Sec. 14  
           60.00m (E) of (W) boundary of Sec. 14  
 Grd Elev: 513.15 m  
 Proj. TD: 2040.5 m (Devonian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)



Lic. No.: 9174

Penn West Waskada Prov. HZNTL 7-34-1-26 (WPM)  
 UWI: 102.07-34-001-26W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Penn West Petroleum Ltd.  
 Mineral Rights: Penn West Petroleum Ltd.  
 Contractor: Precision Drilling Ltd. - Rig# 157  
 Surface Location: 15D-27-01-26  
 Co-ords: 145.60m (S) of (N) boundary of Sec. 27  
           583.74m (W) of (E) boundary of Sec. 27  
 Grd Elev: 463.52 m  
 Proj. TD: 1734 m (Triassic)  
 Field: Waskada  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9175

Penn West Waskada Prov. HZNTL A7-34-1-26 (WPM)  
 UWI: 103.07-34-001-26W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Penn West Petroleum Ltd.  
 Mineral Rights: Penn West Petroleum Ltd.  
 Contractor: Precision Drilling Ltd. - Rig# 157  
 Surface Location: 15D-27-01-26  
 Co-ords: 130.60m (S) of (N) boundary of Sec. 27  
           583.72m (W) of (E) boundary of Sec. 27  
 Grd Elev: 463.55 m  
 Proj. TD: 1670 m (Triassic)  
 Field: Waskada  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9176

Penn West Waskada Prov. HZNTL B7-34-1-26 (WPM)  
 UWI: 104.07-34-001-26W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Penn West Petroleum Ltd.  
 Mineral Rights: Penn West Petroleum Ltd.  
 Contractor: Precision Drilling Ltd. - Rig# 157  
 Surface Location: 15D-27-01-26  
 Co-ords: 160.60m (S) of (N) boundary of Sec. 27  
           583.77m (W) of (E) boundary of Sec. 27  
 Grd Elev: 463.43 m  
 Proj. TD: 1675 m (Triassic)  
 Field: Waskada  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9177

Penn West Waskada HZNTL 9-34-1-26 (WPM)  
 UWI: 100.09-34-001-26W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Penn West Petroleum Ltd.  
 Mineral Rights: Penn West Petroleum Ltd.  
 Contractor: Precision Drilling Ltd. - Rig# 157  
 Surface Location: 15D-27-01-26  
 Co-ords: 175.60m (S) of (N) boundary of Sec. 27  
           583.79m (W) of (E) boundary of Sec. 27  
 Grd Elev: 463.30 m  
 Proj. TD: 2146 m (Triassic)  
 Field: Waskada  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9178

Red River Daly Sinclair Prov. HZNTL A14-30-7-29 (WPM)  
 UWI: 102.14-30-007-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Red River Oil Inc  
 Mineral Rights: Red River Oil Inc  
 Contractor: CanElson Drilling Inc. - Rig# 22  
 Surface Location: 14C-19-07-29  
 Co-ords: 152.00m (S) of (N) boundary of Sec. 19  
           521.00m (E) of (W) boundary of Sec. 19  
 Grd Elev: 538.61 m  
 Proj. TD: 2648 m (Devonian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9179

EOG Pierson HZNTL 12-9-2-28 (WPM)  
 UWI: 100.12-09-002-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: EOG Resources Canada Inc  
 Mineral Rights: EOG Resources Canada Inc  
 Contractor: Precision Drilling (1987) Ltd. - Rig# 195  
 Surface Location: 07C-09-02-28  
 Co-ords: 708.82m (N) of (S) boundary of Sec. 9  
           734.00m (W) of (E) boundary of Sec. 9  
 Grd Elev: 460.79 m  
 Proj. TD: 1660 m (Triassic)  
 Field: Pierson  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9180

EOG Waskada HZNTL 8-26-1-25 (WPM)  
UWI: 102.08-26-001-25W1.00

Licence Issued: 20-Dec-2012  
Licensee: EOG Resources Canada Inc  
Mineral Rights: EOG Resources Canada Inc  
Contractor: Precision Drilling (1987) Ltd. - Rig# 195  
Surface Location: 06D-26-01-25  
Co-ords: 654.54m (N) of (S) boundary of Sec. 26  
664.28m (E) of (W) boundary of Sec. 26  
Grd Elev: 472.31 m  
Proj. TD: 1660 m (Triassic)  
Field: Waskada  
Classification: DEVELOPMENT (NON CONFIDENTIAL)  
Status: Location(LOC)

Lic. No.: 9181

Tundra Daly Sinclair HZNTL A1-35-8-29 (WPM)  
UWI: 102.01-35-008-29W1.00

Licence Issued: 20-Dec-2012  
Licensee: Tundra Oil & Gas Partnership  
Mineral Rights: Tundra Oil & Gas Partnership  
Contractor: Trinidad Drilling Ltd. - Rig# 12  
Surface Location: 05B-35-08-29  
Co-ords: 422.00m (N) of (S) boundary of Sec. 35  
60.00m (E) of (W) boundary of Sec. 35  
Grd Elev: 522.20 m  
Proj. TD: 2304.4 m (Mississippian)  
Field: Daly Sinclair  
Classification: DEVELOPMENT (NON CONFIDENTIAL)  
Status: Location(LOC)

Lic. No.: 9182

EOG Pierson HZNTL 3-3-2-28 (WPM)  
UWI: 100.03-03-002-28W1.00

Licence Issued: 20-Dec-2012  
Licensee: EOG Resources Canada Inc  
Mineral Rights: EOG Resources Canada Inc  
Contractor: Precision Drilling (1987) Ltd. - Rig# 195  
Surface Location: 01A-04-02-28  
Co-ords: 140.84m (N) of (S) boundary of Sec. 4  
88.94m (W) of (E) boundary of Sec. 4  
Grd Elev: 455.46 m  
Proj. TD: 1660 m (Triassic)  
Field: Pierson  
Classification: DEVELOPMENT (NON CONFIDENTIAL)  
Status: Location(LOC)

Lic. No.: 9183

Red River Daly Sinclair Prov. HZNTL A16-30-7-29 (WPM)  
 UWI: 102.16-30-007-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Red River Oil Inc  
 Mineral Rights: Red River Oil Inc  
 Contractor: CanElson Drilling Inc. - Rig# 22  
 Surface Location: 16C-19-07-29  
 Co-ords: 60.00m (S) of (N) boundary of Sec. 19  
           235.00m (W) of (E) boundary of Sec. 19  
 Grd Elev: 528.44 m  
 Proj. TD: 2550 m (Devonian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9184

Red River Daly Sinclair Prov. HZNTL A15-30-7-29 (WPM)  
 UWI: 102.15-30-007-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Red River Oil Inc  
 Mineral Rights: Red River Oil Inc  
 Contractor: CanElson Drilling Inc. - Rig# 22  
 Surface Location: 15D-19-07-29  
 Co-ords: 65.00m (S) of (N) boundary of Sec. 19  
           575.75m (W) of (E) boundary of Sec. 19  
 Grd Elev: 532.99 m  
 Proj. TD: 2572 m (Devonian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9185

Tundra Daly Sinclair HZNTL A8-35-8-29 (WPM)  
 UWI: 103.08-35-008-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 12  
 Surface Location: 12B-35-08-29  
 Co-ords: 730.44m (S) of (N) boundary of Sec. 35  
           60.00m (E) of (W) boundary of Sec. 35  
 Grd Elev: 525.91 m  
 Proj. TD: 2315.3 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9186

Tundra Daly Sinclair HZNTL B9-35-8-29 (WPM)  
UWI: 103.09-35-008-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 12  
 Surface Location: 13B-35-08-29  
 Co-ords: 348.93m (S) of (N) boundary of Sec. 35  
           60.00m (E) of (W) boundary of Sec. 35  
 Grd Elev: 524.70 m  
 Proj. TD: 2315.2 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9187

CNRL Pierson HZNTL A6-15-2-29 (WPM)  
UWI: 103.06-15-002-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Canadian Natural Resources  
 Mineral Rights: Canadian Natural Resources  
 Contractor: To Be Determined - Rig# 0  
 Surface Location: 14C-10-02-29  
 Co-ords: 80.00m (S) of (N) boundary of Sec. 10  
           545.00m (E) of (W) boundary of Sec. 10  
 Grd Elev: 471.48 m  
 Proj. TD: 1726 m (Triassic)  
 Field: Pierson  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9188

Tundra Daly Sinclair Prov. HZNTL A5-4-9-29 (WPM)  
UWI: 102.05-04-009-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 65  
 Surface Location: 05B-03-09-29  
 Co-ords: 437.28m (N) of (S) boundary of Sec. 3  
           45.00m (E) of (W) boundary of Sec. 3  
 Grd Elev: 527.64 m  
 Proj. TD: 2369.6 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9189

Tundra Daly Sinclair Prov. HZNTL A5-2-9-29 (WPM)  
 UWI: 102.05-02-009-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil and Gas Partnership  
 Mineral Rights: Tundra Oil and Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 65  
 Surface Location: 04C-01-09-29  
 Co-ords: 272.00m (N) of (S) boundary of Sec. 1  
           60.00m (E) of (W) boundary of Sec. 1  
 Grd Elev: 520.72 m  
 Proj. TD: 2463.3 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9190

Tundra Daly Sinclair Prov. HZNTL A13-2-9-29 (WPM)  
 UWI: 102.13-02-009-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 12  
 Surface Location: 09D-02-09-29  
 Co-ords: 537.14m (S) of (N) boundary of Sec. 2  
           60.00m (W) of (E) boundary of Sec. 2  
 Grd Elev: 523.59 m  
 Proj. TD: 2306.4 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9191

Tundra Daly Sinclair Prov. HZNTL A16-29-10-28 (WPM)  
 UWI: 102.16-29-010-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 12  
 Surface Location: 09D-30-10-28  
 Co-ords: 494.84m (S) of (N) boundary of Sec. 30  
           60.00m (W) of (E) boundary of Sec. 30  
 Grd Elev: 515.22 m  
 Proj. TD: 2347.3 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9192

Tundra Daly Sinclair Prov. HZNTL A8-32-10-28 (WPM)  
 UWI: 102.08-32-010-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 12  
 Surface Location: 04C-32-10-28  
 Co-ords: 379.12m (N) of (S) boundary of Sec. 32  
           60.00m (E) of (W) boundary of Sec. 32  
 Grd Elev: 516.28 m  
 Proj. TD: 2214.7 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9193

Tundra East Manson Prov. HZNTL 10-4-13-28 (WPM)  
 UWI: 100.10-04-013-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Trinidad Drilling Ltd. - Rig# 10  
 Surface Location: 12B-03-13-28  
 Co-ords: 692.66m (S) of (N) boundary of Sec. 3  
           65.03m (E) of (W) boundary of Sec. 3  
 Grd Elev: 493.73 m  
 Proj. TD: 1395.4 m (Mississippian)  
 Field: Manson  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9194

Tundra Daly Sinclair Prov. RE7-30-10-28 (WPM)  
 UWI: 100.07-30-010-28W1.02

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: Precision Well Servicing - Rig# 804  
 Surface Location: 07-30-10-28  
 Co-ords: 653.03m (N) of (S) boundary of Sec. 30  
           552.05m (W) of (E) boundary of Sec. 30  
 Grd Elev: 516.44 m  
 Proj. TD: 834.5 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)



Lic. No.: 9195

Tundra Daly Sinclair Prov. HZNTL 13-18-10-29 (WPM)  
 UWI: 100.13-18-010-29W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Tundra Oil & Gas Partnership  
 Mineral Rights: Tundra Oil & Gas Partnership  
 Contractor: CanElson Drilling Inc. - Rig# 28  
 Surface Location: 13C-17-10-29  
 Co-ords: 150.12m (S) of (N) boundary of Sec. 17  
           191.00m (E) of (W) boundary of Sec. 17  
 Grd Elev: 508.63 m  
 Proj. TD: 2365.8 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9196

CNRL Pierson Prov. HZNTL 3-20-2-28 (WPM)  
 UWI: 100.03-20-002-28W1.00

Licence Issued: 20-Dec-2012  
 Licensee: Canadian Natural Resources  
 Mineral Rights: Canadian Natural Resources  
 Contractor: To Be Determined - Rig# 0  
 Surface Location: 01D-19-02-28  
 Co-ords: 250.00m (N) of (S) boundary of Sec. 19  
           100.00m (W) of (E) boundary of Sec. 19  
 Grd Elev: 461.55 m  
 Proj. TD: 1747 m (Triassic)  
 Field: Pierson  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9197

CPEC East Manson HZNTL 2-3-13-28 (WPM)  
 UWI: 100.02-03-013-28W1.00

Licence Issued: 21-Dec-2012  
 Licensee: Crescent Point Energy  
 Mineral Rights: Crescent Point Energy  
 Contractor: Red Dog Drilling Inc. - Rig# 2  
 Surface Location: 02A-10-13-28  
 Co-ords: 55.00m (N) of (S) boundary of Sec. 10  
           470.00m (W) of (E) boundary of Sec. 10  
 Grd Elev: 492.37 m  
 Proj. TD: 2170 m (Mississippian)  
 Field: Manson  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9198

Corex Daly Sinclair HZNTL 8-36-9-29 (WPM)  
 UWI: 102.08-36-009-29W1.00

Licence Issued: 21-Dec-2012  
 Licensee: COREX RESOURCES LTD  
 Mineral Rights: COREX RESOURCES LTD  
 Contractor: Precision Drilling - Rig# 418  
 Surface Location: 08D-35-09-29  
 Co-ords: 716.17m (N) of (S) boundary of Sec. 35  
           113.47m (W) of (E) boundary of Sec. 35  
 Grd Elev: 525.51 m  
 Proj. TD: 2347 m (Devonian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9199

Black Gold Daly Sinclair HZNTL 16-33-8-28 (WPM)  
 UWI: 100.16-33-008-28W1.00

Licence Issued: 21-Dec-2012  
 Licensee: Black Gold Energy Ltd.  
 Mineral Rights: Black Gold Energy Ltd.  
 Contractor: Precision Drilling - Rig# 418  
 Surface Location: 16A-32-08-28  
 Co-ords: 398.38m (S) of (N) boundary of Sec. 32  
           72.41m (W) of (E) boundary of Sec. 32  
 Grd Elev: 501.14 m  
 Proj. TD: 2316 m (Mississippian)  
 Field: Daly Sinclair  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)

Lic. No.: 9200

CPEC East Manson 8-3-13-28 (WPM)  
 UWI: 100.08-03-013-28W1.00

Licence Issued: 21-Dec-2012  
 Licensee: Crescent Point Energy  
 Mineral Rights: Crescent Point Energy  
 Contractor: Red Dog Drilling Inc. - Rig# 2  
 Surface Location: 08-03-13-28  
 Co-ords: 712.00m (N) of (S) boundary of Sec. 3  
           335.00m (W) of (E) boundary of Sec. 3  
 Grd Elev: 493.99 m  
 Proj. TD: 721 m (Mississippian)  
 Field: Manson  
 Classification: DEVELOPMENT (NON CONFIDENTIAL)  
 Status: Location(LOC)